

CLAIMS

1. A chuck for equipping a rotary machine such as a drill, of the type comprising a body intended to be fixed to a drive shaft of the machine, in which there are mounted several jaws which slide in bores converging forward and which each have an outwardly facing threaded part, a sleeve being pivotably mounted on the body and having an interior wall which collaborates with a nut itself engaged with the threaded exterior part of the jaws, wherein the body comprises, in its region covered by the nut, a peripheral set of teeth and the nut bears locking means which are intended to engage in the set of teeth of the body when the chuck is in the tightened position, and which are intended to be activated by the sleeve, and wherein the sleeve has an angular relative movement with respect to the locking means between an unlocked position in which the sleeve turns the nut and a locked position in which the chuck is in its tightened position.

2. The chuck as claimed in claim 1, wherein the locking means comprise at least one first spring leaf which is mounted angularly fixedly on the nut and which has a free end projecting through an opening made in the nut so that when the chuck is in the tightened position it reaches the set of teeth of the body.

3. The chuck as claimed in claim 2, wherein the locking means comprise at least one second spring leaf which has a free end equipped with a relief which collaborates, in the unlocked and locked positions of the sleeve respectively, with a first depression and with a second depression which are formed in the sleeve.

4. The chuck as claimed in claim 3, wherein the first and second spring leaves are secured to a ring borne by the nut and prevented from rotating on this nut by means of at least two tabs which enter complementary parts formed in the nut.

5. The chuck as claimed in any one of claims 2 to 4, wherein the sleeve comprises at least one hollowed-out part in which the free end of the first spring leaf is housed, when the sleeve is in the unlocked position, so as to disengage this free end from the set of teeth of the body.

6. The chuck as claimed in any one of claims 2 to 5, wherein the sleeve comprises at least two fingers which collaborate with at least two notches formed on the nut, the notches being centered on the axis of the chuck and being longer than the fingers of the sleeve, this length being considered in the direction of the circular arc over which these notches extend.

7. The chuck as claimed in claim 6, wherein the difference in length between the notches of the nut and the fingers of the sleeve is tailored so that when the sleeve is in the unlocked position, the fingers are in abutment against one of the faces of the notches and the relief of the second spring leaf is in the first depression, and so that when the sleeve is in the locked position the fingers are in abutment against the other of the faces of the notches and the relief of the second spring leaf is in the second depression.

8. The chuck as claimed in any one of claims 4 to 7, wherein the tabs of the ring extend radially and the complementary parts formed in the nut comprise at least two notches.

9. The chuck as claimed in any one of claims 4 to 7,
wherein the tabs of the ring each comprise a base
extending transversely with respect to the plane of the
ring and two bends which extend from the base and more
5 or less toward the outside of the ring, the bases and
the bends nesting elastically in the notches of the nut
into which notches the fingers of the sleeve penetrate.